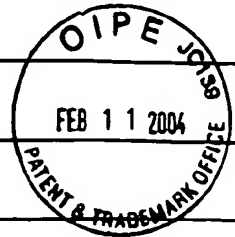


Form PTO-1449

U.S. Department of Commerce
Patent and Trademark OfficeAtty. Docket No.
P23683Serial No.
10/646,824INFORMATION DISCLOSURE STATEMENT
BY APPLICANT
(Use several sheets if necessary)Applicant
Hiroshi NOMURAFiling Date
August 25, 2003Group
2872

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
(102)	4 5 2 5 0 5 0	06/25/85	OHASHI			
	4 6 4 3 5 5 5	02/17/87	WAKABAYASHI			
	4 7 2 1 9 7 2	01/26/88	WAKABAYASHI			
	4 7 9 2 8 2 2	12/20/88	AKIYAMA et al.			
	5 8 1 8 6 4 7	10/06/98	NISHIO et al.			
	6 0 3 1 9 9 8	02/29/00	SHONO			
	4 4 5 1 1 2 9	05/29/84	IKARI et al.			
	4 6 4 3 5 5 4	02/17/87	OGAWA			
	4 7 7 1 3 0 3	09/13/88	MATSUMOTO et al.			
	4 8 8 7 1 0 7	12/12/89	NAKAMURA et al.			
	5 1 3 6 3 2 4	08/04/92	TSUBOI et al.			
	5 7 6 5 0 4 9	06/09/98	HASE et al.			
	5 8 3 2 3 2 6	11/03/98	TANAKA			
(102)	6 3 6 6 3 2 3	04/02/02	SHONO			

FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
(102)	5 8 1 4 5 9 3 0	08/31/83	JAPAN			
	6 1 - 6 9 0 0 2	04/09/86	JAPAN			
	6 1 2 7 0 7 3 7	12/01/86	JAPAN			
	6 3 1 4 9 6 2 9	06/22/88	JAPAN			
	6 4 - 3 4 6 2 3	03/02/89	JAPAN			X
	6 - 1 8 7 7 7	01/28/94	JAPAN			X
	7 - 1 9 1 2 4 9	07/28/95	JAPAN			
(102)	1 1 1 0 9 2 0 3	04/23/99	JAPAN			

EXAMINER

D. Gray

DATE CONSIDERED

04-28-2005

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FORM PTO-1449

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Applicant
Hiroshi NOMURAFiling Date
August 25, 2003Group
2851

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
		4 9 3 7 6 0 9	06/26/90	WAKABAYASHI et al.	1	1	
		4 9 7 4 9 4 9	12/04/90	TANAKA	1	1	
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		5 2 1 0 6 4 4	05/11/93	NOMURA	1	1	
		5 3 7 6 9 8 3	12/27/94	YAMAZAKI et al.	1	1	
		5 6 3 6 0 6 2	06/03/97	OKUYAMA et al.	1	1	
		5 8 7 0 2 3 2	02/09/99	TSUJI et al.	1	1	
		5 9 1 2 7 7 2	06/15/99	AOKI	1	1	
		5 9 2 6 3 2 2	07/20/99	IWASAKI	1	1	
		6 4 9 0 0 9 9	12/03/02	SASAKI	1	1	
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		6 6 1 1 6 6 3	08/26/03	NAKAGAWA	1	1	
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		6 7 5 7 4 8 9	06/29/04	NOMURA et al.	1	1	
	2001 /	0 0 1 7 7 3 8	08/30/01	NOMURA et al.	1	1	
	2002 /	0 1 8 1 9 5 3	12/05/02	ICHINOKAWA	1	1	
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		6 6 6 5 1 2 9	12/16/03	NOMURA et al.	1	1	
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		4 5 4 5 6 6 1	10/08/85	HAMAGUCHI et al.	1	1	
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)				Applicant Hiroshi NOMURA											
				Filing Date August 25, 2003		Group 2851									
FOREIGN PATENT DOCUMENTS															
		DOCUMENT NUMBER							DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION		
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	61	-	1	3	3	9	3	3	06/21/86	JAPAN					
	2003	-	1	1	4	4	7	3	04/18/03	JAPAN					
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)															
	1	English Language Translation of JP 2002-277719.													
	2	English Language Abstract of JP 9-015682.													
	3	English Language Abstract of JP 8-313790.													
	4	English Language Abstract of JP 6-230263.													
	5	English Language Abstract of JP 10-254054.													
	6	English Language Abstract of JP 2000-023002.													
	7	English Language Abstract of JP 6-308592.													
	8	English Language Abstract of JP 7-199019.													
	9	English Language Abstract of JP 5-313226.													
	1	0	English Language Abstract of JP 7-295050.												
	1	1	English Language Abstract of JP 9-5849.												
	1	2	English Language Abstract of JP 61-133933.												
	1	3	English Language Abstract of JP 2003-114473.												
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